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APPLICANT	RICHARD M. NEMES, BROOKLYN, NY.				
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STATE OR COUNTRY	SHEETS DRAWING	TOTAL CLAIMS	INDEPENDENT CLAIMS	FILING FEE RECEIVED	ATTORNEY DOCKET NO.
NY	6	8	4	\$425.00	
ADDRESS	RICHARD MICHAEL NEMES 1432 EAST 35TH STREET BROOKLYN NY 11234-2604				
	METHODS AND APPARATUS FOR INFORMATION STORAGE AND RETRIEVAL USING A HASHING TECHNIQUE WITH EXTERNAL CHAINING AND ON-THE-FLY REMOVAL OF EXPIRED DATA				
TITLE					
This is to certify that annexed hereto is a true copy from the records of the United States Patent and Trademark Office of the application which is identified above.					
By authority of the COMMISSIONER OF PATENTS AND TRADEMARKS					
Date		Certifying Officer			